2019 JUN -7 PM 2: 58

2018 CERTIFICATION

Consumer Confidence Report (CCR)

	CITY OF G	Treenville
	Public Water	System Name
-	List PWS ID #g for all Community	¥
mus	st be mailed or delivered to the customers, published in a per	ommunity Public Water System (PWS) to develop and distribute ar. Depending on the population served by the PWS, this CCF was paper of local circulation, or provided to the customers upon
	Customers were informed of availability of CCR by:	(Attach conv of publication water bill or other)
	☐ Advertisement in local paper (At	tach copy of advertisement)
	□ □ On water bills (Attach copy of bi	
	☐ Email message (Email the message)	ige to the address below)
	□ Other	
/	Date(s) customers were informed: / /2019	/ /2019 / /2019
囡	CCR was distributed by U.S. Postal Service or of methods used	her direct delivery. Must specify other direct delivery
	Date Mailed/Distributed: 5 / 3// 2019	
	CCR was distributed by Email (Email MSDH a copy)	Date Emailed: / /2019
	□ □ As a URL	
	☐ As an attachment	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	☐ As text within the body of the em	ail message
	CCR was published in local newspaper. (Attach copy of Name of Newspaper:	of published CCR or proof of publication)
	Date Published:/_/	
]	CCR was posted in public places. (Attach list of location	ons) Date Posted:/ /2019
]	CCR was posted on a publicly accessible internet site a	at the following address:
here bove nd co f Hea	TIFICATION by certify that the CCR has been distributed to the customers	of this public water system in the form and manner identified further certify that the information included in this CCR is true ovided to the PWS officials by the Mississippi State Department 6-7-2019 Date
	Submission options (Selec	
	Mail: (U.S. Postal Service) MSDH, Bureau of Public Water Supply P.O. Box 1700 Jackson, MS 39215	Email: water.reports@msdh.ms.gov Fax: (601) 576 - 7800
	•	**Not a preferred method due to poor clarity **

CCR Deadline to MSDH & Customers by July 1, 2019!

City of Greenville 2018 Drinking Water Quality Report (PWS ID# 0760004)

Spanish (Espanol)

Este informe contiene information muy importante sobre la calidad de su agua potable. Por favor lea este infore o comuniquese con alguien que pueda traducer la informacion.

Our Quality Assurance personnel collected approximately 700 individual samples from locations throughout the city during 2018. These samples were submitted to and tested by the Mississippi State Department of Health. This report is a snapshot of last year's water quality. Included are details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. We are committed to providing you with this information because informed customers are our best allies.

Do I need to take special precautions?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immune-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791).

Where does my water come from?

Our water comes from twelve wells located throughout the city. All of these wells draw water from the Cockfield Aquifer at a depth of approximately 600 feet. All are interconnected through approximately 250 miles of large diameter distribution pipes. The distribution piping includes cast iron, ductile iron, galvanized steel, and Polyvinylchloride. We chlorinate and fluoridate the ground water prior to its injection into the distribution system at all well sites. At this time no other treatment is required under the Safe Drinking Water Act.

How much water is produced by the water system daily?

The combined total production of the water system varies with demand. The theoretical maximum production capacity is 22,320,000 gallons per day. A typical daily production is 7,500,000 gallons

Why is our water brown?

The Cockfield aquifer includes strata of prehistoric plant material that the water must travel through to reach our wells. These strata release tannins into the water in the form of dissolved solids. These solids are bound to the water molecules. This makes the color extremely difficult to remove.

Can the color be filtered out?

Customers can filter some of the color out with whole-house filters. These filters utilize activated carbon, zeolites, and/or other naturally occurring minerals. The City has investigated the feasibility of utilizing a variety of technologies to remove the color from the water. The capital cost of installing treatment systems at each well range from \$2.0 - \$2.7 million per well.

Source water assessment and its availability:

Our source water assessment has been completed by the Mississippi State Department of Health. The report is available for review at the Office of the Public Works Director.

Why are there contaminants in my drinking water?

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency=s Safe Drinking water Hotline (800-426-4791). The sources of drinking water (both tap and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity:

Microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm-water runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agricultural, urban storm-water runoff, and residential uses; organic Chemical Contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm-water runoff, and septic systems; and radioactive contaminants, which can be naturally occurring or be the results of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration regulations establish limits for contaminants in bottled water which must provide the

How can I get involved?

Our city council conducts its meetings on the first and third Tuesday of each month at 4:00 p.m. We encourage all citizens who have any questions or concerns regarding their water service or other public services that the city provides to meet with us. We ask that customers who have questions concerning their water bills or regarding disruptions in service to please first contact the City of Greenville Water Department at 378-1580. For other technical concerns as to water quality utilize the telephone numbers listed below. You may also e-mail any comments or questions to us at

How Does Our Water Compare to Others?

For 2018 the City of Greenville Water System scored a 4.7 out of 5.0 on its Annual Sanitary Survey conducted by the Mississippi Department of Health.

Other information:

To comply with the "Regulation Governing Flouridation of Community Water Supplies", the City of Greenville is required to report certain results pertaining to fluoridation of our water system. The number of months in the previous calendar year that average fluoride sample results were within optimal range of 0.6 – 1.2 ppm was 8. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.6 - 1.2 ppm was 85%. For general information about the City of Greenville, you can view our home page on the internet at http://www. greenvillems.org. Or you may want additional information about your drinking water. You may contact our certified waterworks operators listed below or you may prefer to log on to the Internet and obtain specific information about your system and its compliance history at the following address: http://www.msdh.state.ms.us/watersupply/index.htm Information including current and past boil water notices, compliance and reporting violations, and other information pertaining to your water supply including "Why, When, and How to Boil Your Drinking Water" and "Flooding and Safe Additional Information for Lead

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. City of Greenville is responsible for providing high quality drinking water, but cannot control the variety of materials used in home plumbing components, primarily found in buildings constructed before 1986. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead. You can also insist that your plumber use only

The City of Greenville water system (MS0760004) had no violations for 2018.

In 2018 your water system tested for 21 Volatile Organic Compounds: 1,2,4-Trichlorobenzene, CIS-1,2-Dichloroethylene, Total Xylenes, Dichloromethane, O-Dichlorobenzene, P-Dichlorobenzene, Vinyl Chloride, 1,1-Dichloroethylene, Trans-1,2-Dichloroethylene, 1,2-Dichloroethane, 1,1,1-Trichloroethane, Carbon Tetrachloride, 1,2-Dichloropropane, Trichloroethylene, 1,1,2-Trichlorethane, Tetrachloroethylene, Chlorobenzene, Benzene, Toluene, Ethylbenzene, Styrene. All of the listed Volatile Organic Compounds had test results of less than 0.5 part per billion(ppb). The Maximum Contaminant Level(MCL) for the listed Volatile Organic Compounds ranged from 5ppb to 10,000ppb.

For More Information please contact Milton Kearney // 340 Main Street // Greenville, MS 38701 // 662-378-1608 // 662-378-1508(fax) // mkearney@greenvillems.org. The Greenville Public Works Department maintains a presence on www.facebook.com. For up-to-date information go to www.facebook.com and search for Greenville, Mississippi Public Works Department.

Water Quality Data Table

	MCLG	MCL,	Vater	Qua	ality	Data	Table	e ·		
Contaminants	or	TT, or	Your	R	lange					
Disinfestants # 70.	MRDLC	-	Water	Low	Hick	Sample				
Disinfectants & Disinfection (There is convincing evidence that a Haloacetic Acids (HAA5) (ppb)	By-Product	5	Statistical Property		High	Date	Violation	Typical Source		
Haloacetic Acids (HAA5) (ppb)	NA.	ininiccunt is nec	essary for contro	ol of microbia	al contamina	nts.)				
- C	5.00%	60	Average 18.0	3	40	2017	No	Pro- 1		
TTHMs [Total Trihalomethanes]	NA							By-product of drinking water chlorination		
(ppb)	····	80	Average 47	7.87	105	2017	No			
Chlorine(CL2) (ppm)	4.0		Average				- 110	By-product of drinking water disinfection		
Inorganic Contaminants	4.0	4.0	0.20	0.00	2.10	2018	N-	Chlorine is classified as a contaminant but is added to the		
Antimony (ppb)	Section 2	POLESTA	A A VALUE OF				No	water for disinfection purposes.		
OF-57	. 6	6	<0,5	. NA	Se 12 3 3	2016	1000 0000	Wast Library like the service of the		
Arsenic (ppb)						2016	No	Discharge from petroleum refineries; fire retardants;		
	0	10	<0.6	NA		2016		standes, electronics; solder; test addition.		
						2016	No.	Erosion of natural deposits; Runoff from orchards; Runo from glass and electronics production		
Asbestos (MFL)								from glass and electronics production wastes		
	7	7	ND							
Barium (ppm)	2	2	0.0070					Decay of asbestos cement water mains; Erosion of natural deposits		
Cadmium (ppb)	5	5	0.0070	NA		2016	No	Erosion of natural deposits		
Chromb (3	<0.5	NA		2016	No	Corresion of out		
Chromium (ppb)	100	100	0.0008	NA		**************************************		Corrosion of galvanized pipes, Erosion of natural deposit		
Fluoride (ppm)	4	4	0.90			2016	No	Erosion of natural deposits		
Mercury [Inorganic] (ppb)	2	2	0.0003	0,6	1.20	2018	No	Erosion of natural deposits,		
Nitrate [measured as Nitrogen] (ppm)	10	10		NA -	5,97	2016	No	Erosion of natural deposits		
Nitrite [measured as Nitrogen]		10	ND	NA		2018	No	Erosion of natural deposits		
(ppm)	1	1	0.04	ND	0.30		1085	Exosion of natural deposits		
Selenium (ppb)	50		X100.000		0.30	2018	No	Erosion of natural deposits		
Radium 226		50	0.002	NA		2016	No			
Gross Alpha, INCL Radon			0.30	ND	0.30		140	Erosion of natural deposits		
Table, INCL Radon			9.1	ND	9.1	2018	No	Erosion of natural deposits		
Copper - action level at consumer	10			2	9.1	2018	No	Erosion of natural deposits		
taps (ppm)	1.3	1.3	0.30	2016		0	No			
Lead - action level at consumer taps	0	0.011				_	INO	Corrosion of household plumbing systems; Erosion of natural deposits		
(ррт)	•	0.015	0.002	2016		0	No	E STATE OF THE STA		
Unit Descriptions							.10	Corrosion of household plumbing systems; Erosion of natural deposits		
Term	25/10/10/10/		Erespenting	AMADAN						
pm		Definition								
pb		ppm: parts per	million, or milli	grams per lit	er (me/L)					
AFL		ppb: parts per	billion, or micro	grams per lit	er (un/L)					
IA .		MFL: million f	ibers per liter, us	sed to measu	re ashestos					
(D)	-	NA: not applic	able		- C Habeatos (oncentration				
IR.		ND: Not detected								
		NR: Monitorin	g not required, b	ut recommer	nded					
mportant Drinking Water Definitions					Meu.					
erm		Definition		NE'S			170011			
ICLG		MCLG: Movie	um Cour							
(C)		health. MCLGs	allow for a mer	Level Goal:	The level of	a contaminant in	drinking water	below which there is no known or expected risk to		
CL		MCL: Maximus	n Contembon	on or safety.				stated there is no known or expected risk to		
		feasible using th	e best available	treatment to	ghest level o	f a contaminant th	nat is allowed in	drinking water. MCLs are set as close to the MCLGs as		
		TT: Treatment 7	echnique: A rea	wiend c	omiology.			are set as close to the MCLGs as		
L		AL: Action Leve	d: The concentra	ation of a con	s intended to	reduce the level	of a contamina	nt in drinking water. ent or other requirements which a water system must		
ariances and Exemptions										
RDI C					THE PROPERTY OF	o meet an MCL.	OF a freetment to	- 10-10 - 10-1		
WIG		MRDLG: Maxir	num residual 4:-	infaction 1	-1 1		a deament to	camque under certain conditions.		
DL		health. MRDLG:	do not reflect th	he benefits o	f the use of	evel of a drinking disinfectants to co	water disinfec	tant below which there is no known or expected risk to contaminants.		
NAME OF THE PARTY	1	MRDL: Maximu	m residual dising	Soctant Land	use of (usiniectants to co	ntrol microbial	contaminants.		
IR.		addition of a disi	nfectant is neces	sary for cont	the highest	level of a disinfer	ctant allowed in	contaminants. drinking water. There is convincing evidence that		
	1 7	VINE . Moniton	N		HHUTO	rear Contaminante				
L		MPL: State Assig	Not Regulated					and otherice that		

UNREGULATE	D CONTAIMENTS
- I THE GOLD THE	U CONTAINIFNITS

DELEGIOUS EXTENT DIFFERENCES	UNREGULATED CONTAIMENTS						
Disinfectants & Disinfection By-Products	MRDL	Water	Low	High	Date	Violation	Typical Source
(There is convincing evidence that addition of a disin-	fectant is noces	MEN for contra	1.0			CONTRACT VALUE	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	AND TOU CONTRO	i or microbii	II contaminan	ts.)		
Manganese		2					
Bromide		9.3	0.61	9.3ug/L	2018	No	Libely
		1790				X	Likely source is Naturally occurring elements (used in stee
otal Organic Carbon			261	1790ug/L	2018	No	and fireworks, Jane
AA5		1340	1160	1340ug/L	2018	No	Electy source is Naturally occurring
AA6Br	8	22.6	12.06	22 6	200	140	Likely source is Naturally occurring
			12.00	22.6ug/L	2018	No	
AA9		28.4	4	28.4ug/L	2018	No	Likely source is ByProduct of chlorine disinfection
	44.2	44.2	15.3	44.2ug/L			Likely source is ByProduct of chlorine disinfection
regulated contaminants are those for which EPA ha unregulated contaminants in drinking water and wh	s not establish	nd drinking	. 5		77.00	No	Likely source is ByProduct of chlorine disinfection
pregulated contaminants in drinking water and wh	ether future re	wanted to	eter standar	rds. The purp	ose on unregu	lated contamina	

Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose on unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted.

What is FOG?

FOG refers to Fats, Oils and Grease (FOG) from food preparation, food service and kitchen clean-up. Grease is found in most discarded foods, including:

- Meat fats (bacon, sausage, beef, pork, chicken, lamb);
- Food scraps, pastries, baked goods;
- Lard, butter, margarine, cooking oil;
 - Salad dressing, mayonnaise; and
- Dairy (milk, ice cream, yogurt, sour cream, cream sauces, cheese).

It's important to know how to properly dispose of FOG to avoid potential environmental problems that may result in violations and possibly, costly fines.

Why is FOG Management Important?

Fats, Oils, and Grease (FOG) represent one of the largest problems for sewer utilities and their customers. Fats, Oils and Grease (FOG) harden when cooled and form solids that stick to the inside of sewer pipes. This restricts the flow of sewage and can clog the pipes causing overflows into yards and streets.

Clogged sewers due to coagulated grease are thought to be the leading cause of sewer overflows. Overflows can occur in manholes in streets and cleanouts in yards. Over the last few months the City of Greenville has started evaluating the sewer system. Sewer mains are being pressure washed and televised. A large portion of the sewer mains televised to date show signs of FOG buildup in the pipes. The easiest way to prevent FOG-related blockages is to keep FOG out of the sewer system. This means changing our habits on how we dispose

Importance of Preventing Sewer Overflows

Blockages due to coagulated grease in pipes are thought to be the leading cause of sanitary sewer overflows (SSOs). SSOs are backups in either the public sewer or residential plumbing. The easiest way to solve grease problems and prevent blockages is to keep FOG out of the sewer system. Although often unintentional, the injection of FOG into the sewer system poses a significant risk to household plumbing and public sewer systems.

Disposal Tips for Your Home

- Place food scraps into a can or the trash for disposal.
 Put strainers in sink drains to catch food scraps and other solids. Empty the strainers into the garbage for disposal.
- Do not put meat scraps or food scraps containing FOG down a garbage disposal. This will also help eliminate unpleasant odors coming from the garbage disposal.
- For small amounts of cooking oil or grease, soak it up with paper towels and throw them in the garbage.
 - For amounts greater than a cup but less than a pint, pour FOG into a container and freeze it. Place the frozen grease and container in the garbage on the day it is collected.
- For larger amounts of oil, such as from a fryer or deep fat fryer of more than 1 gallon, call the Greenville Fire Department.

Preventing sewer backups protects public health, the environment, and saves everyone money.

- The EPA (Environmental Protection Agency) has mandated that the City of Greenville eliminate
- Grease related blockages can;
- Cause the sewer to backup into your home through sinks, drains and toilets.
 - Create backup of sewage into streets, parks, yards and waterways causing public health risks and environmental concerns.
- Raw sewage contains disease-causing organisms that can be harmful to both people and animals.
- Clean up and repairs for damage caused by sewer backups are expensive, unhealthy and unpleasant.
- FOG-related grease blockages increase the City's operating and maintenance costs resulting in higher bills for all.

For additional information, please contact us:

Greenville Fire Department 532 Central Avenue Greenville, MS 38701

662-378-1616